

**MEMORANDUM.**

**DATE** : March 7, 1997

**SUBJ** : New Bedford Harbor NPL Site

**FROM** : Richard Cavagnero, Chief, Technical and Support Branch  
Office of Site Remediation and Restoration Region I

**TO** : Bruce Means, Chairman, National Remedy Review Board

As we discussed, following receipt of the Remedy Review Board's recommendations last September, the Region made some changes to its original remedy proposal in the proposed plan which was issued to the public in November 1996. The original air monitoring program was scaled back in accordance with the Board's recommendations. The original dewatering/water treatment program was unchanged; after re-examining the Clean Water Act ARARs and the CERCLA ARAR waivers, we were unable to find any flexibility that would allow the treatment requirements to be scaled back. We are continuing to research this with various people in Headquarters.

Attached is Table 3 from the information package provided to the Board by the RPM. It shows a total remedy present worth cost of \$126,650,497. Also attached is a copy of the cover page of the proposed plan. It shows an estimated cost of \$116,000,000. Thus, the proposed remedy costs were reduced by approximately \$10,000,000. According to the RPM, the bulk of this "savings" was due to the reduction in the air monitoring program.

**Table 3**

**COST ESTIMATE: ALTERNATIVE - 10  
DREDGE/DISPOSE  
NEW BEDFORD HARBOR**

ACTIVITY	COST
<b>I. DIRECT COSTS</b>	
A. Dredging	\$22,320,348
B. Dewater/Water Treatment	\$27,123,051
C. CDF Construction	\$27,121,318
D. Air Monitoring	\$10,472,000
TOTAL DIRECT COST (TDC)	\$87,036,717
<b>II. INDIRECT COSTS</b>	
A. Health & Safety (@ 5% of TDC) Level D Protection	\$4,351,836
B. Legal, Administration, Permitting (@ 10% of TDC)	\$8,703,672
C. Engineering (@10% of TDC)	\$8,703,672
D. Services During Construction (@10% of TDC)	\$8,703,672
E. Turnkey Contractor Fee (@ 15% of TDC)	\$13,055,508
TOTAL INDIRECT COST (TIC)	\$43,518,359
<b>SUBTOTAL COSTS</b>	\$130,555,076
CONTINGENCY (@ 20% of TDC + TIC)	\$26,111,015
<b>TOTAL CAPITAL COST</b>	\$156,666,091
<b>PRESENT WORTH - 1996 (@ 7% for 8 years)</b>	\$116,937,529
<b>O&amp;M COST (CDFs)</b> (Present Worth @ 7% for 30 years upon completion)	\$1,017,846
<b>MONITORING PROGRAM (Present Worth @ 7% for 30 years)</b>	\$8,695,122
<b>TOTAL COST - ALTERNATIVE - 10</b>	\$126,650,497